ICOM

VHF AND UHF TRANSCEIVERS

IC-F1010
IC-F2010



The photo shows actual size.

● Rugged construction

The highly dependable diecast aluminum chassis and polycarbonate front panel are resistant to impact.

● Multiple signalling systems*

5-tone encoder/decoder compatible with a wide variety of European signalling requirements including CCIR, ZVEI1, ZVEI2, DZVEI, EEA, EEA2 and EIA.

*5-tone encoder is standard; the optional UT-96 is necessary for 5-tone decode.

● Detachable front panel*

A detachable front panel provides numerous mounting possibilities and is simple to install in almost any vehicle.

*RMK-1 and OPC-609 are required.

● Programmable assign function

A limited number of switches (6) provides easy operation. Moreover, functions can be assigned to switches providing customization to suit specific needs.

● Large, alphanumeric display

● Advanced programming package for IBM® PC

® IBM is a registered trademark of International Business Machines.





Icom Inc.

ADDITIONAL FEATURES

- Selectable channel spacing (channel independent)
- 32 channels for 5-tone encoder (standard)
- Emergency call with single or repeat function
- 8 identities + group code for 5-tone decode (optional)
- Selectable digits for 5-tone decoded indication
- Automatic ID transmission linked to PTT
- Standard CTCSS with 51 frequencies (plus 1 programmable)
- Standard DTCS with selectable polarity
- 7 DTMF autodialing memories
- Up to 8 characters for memory name indication
- Bank separation capability
- 5 scan channel groups
- 2 priority channels
- Automatic scan start and/or receive mute when mic is replaced in the hanger
- Automatic priority channel selection and/or receive mute release when mic is picked up
- Normal scan and priority scan
- Power ON scan start
- Adjustable transmit release period to prevent noise burst at end of transmission when using CTCSS
- Remote monitoring capability (optional UT-96 required)
- Optional passcode input to prevent operation by unauthorised persons
- Programmable minimum level for audio
- Selectable transmit power
- Talk around function (temporary simplex operation on a duplex channel)
- Time-out timer
- Time-out ID transmission
- Penalty timer
- Transmit lockout (channel busy/repeater/reverse repeater)
- 2 selectable 'stun' functions (optional UT-96 required)
- External I/O terminal socket (optional OPC-617 required)

SPECIFICATIONS

GENERAL

- Frequency coverage
  - IC-F1010 : 136–155 MHz, 146–174 MHz
  - IC-F2010 : 400–430 MHz, 450–490 MHz, 490–520 MHz
- Mode : 16K0F3E, 8K50F3E
- No. of channels : 32 (standard), 160 (optional)
- Channel spacing : 12.5 kHz and 25 kHz
- Power supply requirement : 13.2 V DC ±15% (negative ground)
- Current drain (at 13.2 V DC)
  - High 7 A (IC-F1010) 8 A (IC-F2010)
  - Low 3 A (IC-F1010) 4 A (IC-F2010)
  - Squelched 700 mA
  - Max. audio output 1.2 A
- Usable temp. range : –25°C to +55°C
- Frequency stability : ±1500 Hz
- Dimensions (proj. not included) : 150(W) x 50(H) x 180(D) mm
- Weight : 1.5 kg

TRANSMITTER

- Output power : High 25 W, Low 2.5 W
- Max. frequency deviation : ±2.5 kHz, ±5.0 kHz
- Adjacent channel power : 60 dB (12.5 kHz), 70 dB (25 kHz)
- Spurious emissions : 0.25 μW (max.)
- Hum and noise : 50 dB typ. (IC-F1010), 45 dB typ. (IC-F2010)

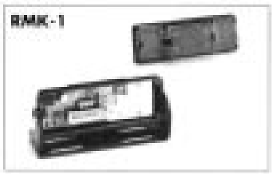
RECEIVER

- Sensitivity (20 dB SINAD) : 0.63 μV emf (IC-F1010), 0.67 μV emf (IC-F2010)
- Squelch sensitivity (at threshold) : 0.22 μV (IC-F1010), 0.25 μV (IC-F2010)
- Adj. channel selectivity : 70 dB typ. (12.5 kHz), 75 dB typ. (25 kHz)
- Intermodulation rejection : 65 dB
- Spurious response rejection (typical) : 80 dB (IC-F1010), 70 dB (IC-F2010)
- Hum and noise (typical) : 50 dB (IC-F1010), 45 dB (IC-F2010)
- Audio output power : 4 W typ. at 10% distortion with a 4 Ω load

Measurements made in accordance with ETS-300-086. All stated specifications are subject to change without notice or obligation.

OPTIONS

- **EX-1761** MEMORY EXPANSION UNIT
- **OPC-617** ACC CABLE
  For external terminal connection.
- **RMK-1** SEPARATION KIT + **OPC-609** SEPARATION CABLE
  For front panel detachment installation (1.9 m).
- **SP-5** EXTERNAL SPEAKER
  Large speaker for good audio quality.
  Input impedance: 4 Ω; Max. input power: 5 W.
- **SP-10** EXTERNAL SPEAKER
  Compact and easy-to-install.
  Input impedance: 4 Ω; Max. input power: 5 W.
- **UT-96** 5-TONE UNIT
  Provides the transceiver with 5-tone decoder capabilities.
- **UT-105** SmarTrunk II™ Logic Board*
  Provides SmarTrunk II™ capabilities.
  *SmarTrunk II™ is a trademark of SmarTrunk Systems











Icom Inc. 6-9-16, Kamihigashi, Hirano-ku, Osaka 547, Japan Phone: 06 793 5302 Fax: 06 793 0013

Count on us!

Icom America Inc.
<Corporate Headquarters>
2380 116th Avenue N.E., Bellevue, WA 98004, U.S.A.
Phone : (425) 454-8155 Fax : (425) 454-1509
Telex : 152210 ICOM AMER BVUE
<Customer Service>
Phone : (425) 454-7619

Icom Canada
A Division of Icom America Inc.
3071 #5 Road, Unit 9, Richmond, B.C., V6X 2T4, Canada
Phone : (604) 273-7400 Fax : (604) 273-1900

Icom (Australia) Pty. Ltd.
A.C.N. 006 092 575
290-294 Albert Street, Brunswick, Victoria, 3056, Australia
Phone : 03 9387 0666 Fax : 03 9387 0022

Icom (Europe) GmbH
Communication Equipment
Himmelgeister Str. 100, D-40225 Düsseldorf, Germany
Phone : 0211 346047 Fax : 0211 333639

Icom Telecomunicaciones s.l.
"Edificio Can Castanyer" Crta. Gracia a Manresa km. 14,750
08190 Sant Cugat Del Valles Barcelona, SPAIN
Phone : (3) 589 46 82 Fax : (3) 589 04 46

Icom (UK) Ltd.
Unit 9, Sea St., Herne Bay, Kent, CT6 8LD, U.K.
Phone : 01227 741741 Fax : 01227 741742
Telex : 317210 BUREAU G

Icom France S.a
Zac de la Plaine, Rue Brindejonc des Moulinais
BP 5804, 31505 Toulouse Cedex, France
Phone : 561 36 03 03 Fax : 561 36 03 00
Telex : 521515 ICOM FRA

Your local distributor/dealer:

YS9709D Printed in Japan